



Southern Regional Office (SRO)
400 W. Congress, Suite 433, Tucson, AZ 85701

**Final Minutes of the
Park-Euclid Water Quality Assurance Revolving Fund (WQARF) Site
Community Advisory Board (CAB) Meeting – 23rd meeting**

May 19, 2004, 6:30 - 8:30 p.m.
State of Arizona Regional Office Complex
400 W. Congress, North Building, Conference Room 158,
Tucson, Arizona

E-5340.25.6.1.2

CAB Members Present: Richard Byrd, Don Davis, Freya Eddy, Mark Marikos, Jonathan Salvatierra, Jacky Turchick, Steven Turner, Mario Villarreal,

CAB Members Absent: Keith Bagwell, Nadine Gruhn, Josefina Zapata

ADEQ Staff Present: Matt Doolen, Project Manager; Eileen Palese, Community Involvement Coordinator

Members of the Public Present: Ira Haskell, Joe Drazek, Donald Moore, Tom Caesar, Robert Boudra, Larry Gardiner, Brian Barbaris, Ted Warmbrand.

The meeting began at 6:40 p.m.

1. Call to Order/Introductions

Freya Eddy conducted introductions of the CAB and public participants.

2. Approval of Minutes for 2/18/04

Jacky Turchick motioned to approve the minutes from the February 18, 2004, CAB meeting; Mark Marikos seconded the motion. All were in favor; none opposed.

3. Nomination/Vote on CAB Co-Chairs for Next Term

Jacky Turchick called for nominations for the next term of CAB co-chair positions. Don Davis and Freya Eddy currently hold the positions and they both accepted renomination by the CAB members present. The CAB voted on the nomination of Don Davis and Freya Eddy; all were in favor; none opposed.

The CAB asked Ira Haskell about his application for membership. He said he is one of the former owners of Haskell Linen and was president for three of years. The business was sold in 1983. He said he has an interest in the proceedings and would like to be represented on the CAB. Don Davis moved to add the election of Ira Haskell to the CAB meeting agenda; Richard Byrd seconded the motion. The election will be placed on the next CAB agenda.

4. Site Investigation Update plus Q&A

Matt Doolen, ADEQ project manager, updated the CAB on the upcoming release of the draft Remedial Investigation (RI) report. He said that it will outline all site investigation information.

He announced that ADEQ will host a public meeting after the release of the RI to discuss the remedial objectives for the site. He said this would most likely take place in the early fall. He reviewed the lab results from the quarterly monitoring of wells in and around the WQARF site. He provided a handout explaining the data. He said that the plume of PCE contamination looks larger due to recent sampling, but he does not think that there has been a dramatic change. He said that in the new budget year, quarterly sampling will continue to take place, as well as monthly sampling at the University of Arizona (UA) wells. He said that PCE detections in the UM-2 well are fluctuating, but the levels are still below the drinking water standard.

Mark Marikos reported that a new well was installed on the UA campus, north of the McKale Center garage. It was drilled to 680 feet and a fine screen casing was installed. It is being developed at this time and will most likely come online in a month. He also reported that two weeks ago the Huachuca well began to pump muddy water so that well may need to be replaced. CAB members asked questions about city water use at the university and about the locations of the drinking water wells.

Matt Doolen said as the field work was completed for the remedial investigation, ADEQ wanted to evaluate a potential risk--whether any soil vapors may arise from the soil due to soil contamination or due to shallow perched aquifer contamination. Measurements were taken in February using a vessel placed on top of the surface of the ground to measure concentrations and the rate the vapors migrate to the atmosphere. He pointed out sampling points on a map near the Mission Linen property. Other samples were taken from inside the building. He explained how modeling is performed and the potential for exposure to soil vapors.

He said the testing did detect some soil flux inside the building as well as outside the building along the perimeter. He said that the concentrations of the gases that were detected are not considered at a hazardous level to the people living in the neighborhood, however, there was concern for possible risk to onsite workers. Concentrations of gases were higher and the mass greater inside than what was detected along the perimeter. ADEQ recommended that ambient air monitoring take place within the Mission Linen building. He said he spoke with Mission Linen about the preliminary results indicated and suggested they perform sampling inside the building.

Bob Boudra, URS, discussed the Mission Linen results. He said after they heard from ADEQ about the preliminary results and possible risk to workers, Mission Linen decided to perform ambient air modeling in the building to measure the vapors that employees may be experiencing. They wanted to measure the worst-case scenario in the former dry-cleaning area of the plant, which is where the greatest concentration of vapors might be, under the slab. They also wanted to test where most employees are located in the plant. He described the testing device and said the work was performed over an 8-hour work shift. He said that ADEQ did the flux testing and Mission Linen did the air sampling.

He said that the highest concentrations of all compounds that they detected were approximately 100 times less than the lowest applicable occupational standard. He explained that three different standards are used, and they chose the most conservative to determine risk. He said

that PCE was more than 1,000 times less than the lowest occupational standard, so the conclusion is that there is no significant risk to the Mission Linen employees. He said the standards differ for residential guidelines, but they were measuring for occupational guidelines.

The occupational standard for PCE is 25 parts per million. He said all concentrations were well below that standard. He also said benzene, which does not have to do with dry-cleaning operations, was higher, but below the occupational standard. He said this could be due to auto exhaust or other plant operations.

Jacky Turchick asked what the standards would be for houses nearby. She said she always wondered if something was in the air from the plant. Matt Doolen said that the results, as compared to the ambient air guidelines, pose no risk to residents.

Joe Drazek said this was not the first time Mission Linen has done this type of testing. They performed investigations in 1995 and in 2000 when they started operation of the Soil Vapor Extraction System. He said the results are not significantly different, and actually lower than when previously tested. CAB members and public participants asked questions about the conditions in the plant and testing methods.

Joe Drazek reminded the CAB that the SVE system was shut down for two years and then the soil confirmation study was completed; recommendations were to continue another 12 months of soil vapor extraction work. He said Mission Linen has been negotiating with the Haskell insurance carriers to get agreements to help fund the work. He said the contaminants that ADEQ has identified from soil or from the perched aquifer will now be addressed with the operation of the SVE system and Mission Linen plans to continue to develop the multiphase extraction system.

Bob Boudra further explained the operation of the SVE system and the ambient air testing. CAB members asked if there would be seasonal difference in the results. Matt Doolen said he had this same question and consulted with the person who developed the soil flux sampling and monitoring techniques with EPA. He had studied whether there were differences in different parts of the county, and found seasonal differences were not a factor. He said the only thing that might affect testing would be a prolonged rain. The CAB asked additional questions about when the tests were conducted and possible testing scenarios.

Matt Doolen updated the CAB on the finalization of the draft RI report and the review process. He said it will be two volumes and will summarize all the data collected thus far on the site. He expects the report to be released by the end of June. He said a meeting to solicit and consider remedial objectives will take place within 45 to 90 days of the release of the RI. He said this meeting will be announced to the CAB and through the newspaper and other publicity.

CAB members suggested ways to announce the release of the RI through web pages, libraries and the press. Matt Doolen said the report will be available on CD for convenience.

Matt Doolen said that the RI will include a Land and Water Use Study, which considers water providers, well owners, and businesses that might be impacted by the contamination. The study asks what these entities plan to use the water for now and 100 years into the future.

CAB members asked about who might want to comment on the report and asked if the diesel contamination will be addressed. Matt Doolen said that due to budget and potential risk

considerations, ADEQ's investigation concentrated on the VOC contamination in the soil and the groundwater. ADEQ is aware of the diesel fuel contamination, but first focused on the regional aquifer. He said that the search for potentially responsible parties takes place simultaneously along with the site investigation, however, the information collected is kept confidential until completed, and at that time a determination will be made. The CAB discussed who might be responsible for the diesel contamination and discussed railroad operations in the area over the past decades.

The CAB suggested that in addition to mailing the notice about the release of the RI to the Park-Euclid Mailing List, everyone in the neighborhoods surrounding the site should also be notified and invited to the remedial objectives public meeting. They asked if a mailing could be done to a wider audience. Matt Doolen said most likely this could be done.

5. Site Activity Update -Mission Linen plus Q&A

Joe Drazek said that Mission Linen has worked out some of the issues that prevented them from moving forward on the clean up of the vadose zone and from implementing a shallow aquifer remedy. Bob Boudra, URS, summarized the plans for future work using the SVE system and the Multi-Phase Extraction System. He said that although the SVE did a good job cleaning up the soil, there is still some contamination especially under the dry-cleaning area that needs to be addressed. He reviewed the results from previous system operations and said that they now intend to install one additional monitoring well which would make a total of seven vapor monitoring wells in and outside of the building. These wells are screened at four different depths. He said they plan to restart the SVE system in July after retrofitting, and they will operate it though June on next year. He said they will be monitoring the system to meet air permit requirements.

CAB members asked questions about rebound. Bob Boudra said that the Multi-Phase Extraction pilot test appears to be an encouraging technology for cleaning up PCE in the shallow aquifer. He said they will perform the extraction in three stages. The groundwater and the vapor phase will be treated with activated carbon; the free product will be recycled. He said they will have someone onsite to monitor system, but not on a full-time basis. He said they will reevaluate the success of the extractions after six months of operation. He displayed a map of the preliminary design of a full scale system, and said Mission Linen decided to install a smaller scale system to be sure it is operating as expected. He said they plan to design and install the extraction wells June through September, and the construction of system inside the plant will take place from September through January '05 and then the system will operate for six months.

CAB members asked questions about the operations of the equipment and how the diesel contamination will be handled.

6. Follow-up Discussion: CAB Letter to U.S. Army Corps of Engineers

(This item was addressed before item #5.)

Richard Byrd said he contacted the city Transportation Department for an update. He said the intergovernmental agreement between Pima County, the U.S. Army Corps of Engineers, the City of Tucson, and the Tucson Unified School District was 99% done. He said big hurdles were overcome and now mostly worked out. He said there were some delays on the construction diagrams but they are now 95% completed. He said they had hoped to begin construction mid-summer, but it is now looking like October. He said the field work has been

completed for the soil gas survey, but they are waiting for the documentation and for the results to be presented.

7. Call to the Public*

No one wished to comment.

8. Other Administrative Business

No items were offered.

9. Next Meeting Date/Agenda Discussion

The CAB discussed holding a special meeting to discuss the CAB's input on the draft RI. The CAB decided to wait until the RI is actually released to determine the date for that meeting.

[The draft RI was released on July 4, 2004, and a Park-Euclid CAB meeting was then scheduled for Wednesday, August 25, 2004. It will be held at the State of Arizona Office Complex, 400 West Congress, North Building, Room 158, Tucson, Arizona. Call Eileen Palese, ADEQ Community Involvement Coordinator, at (520) 628-6712 for more information.]

10. Adjournment

Adjourn at 8:50 p.m.

This meeting was recorded on cassette tapes as a record of the proceedings. To listen to the tape(s) or for additional documents mentioned in these minutes, contact ADEQ's Southern Regional Office, Community Involvement Office, 520/628-6712.

Minutes prepared by: Eileen Palese 7/30/04
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